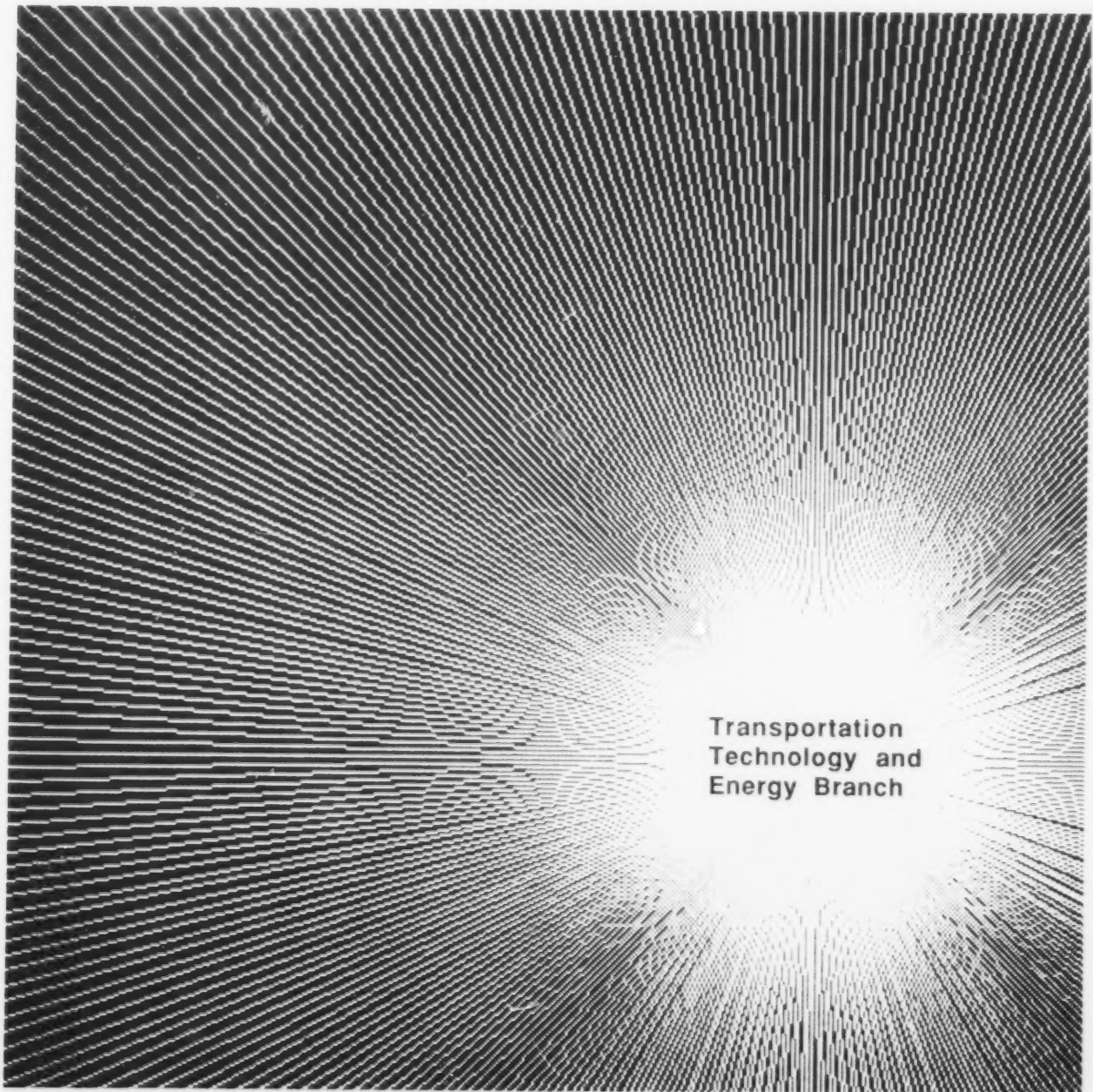




Ontario

Ministry
of
Transportation

Transportation
Technology and
Energy Branch



Transportation
Technology and
Energy Branch

**Mandate, Objectives, and
Networking Contacts**

TTE-90-03

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TRANSPORTATION TECHNOLOGY AND ENERGY BRANCH

MANDATE

To contribute to the goals of the Ministry by conducting and supporting research, development, demonstration and implementation of technologies and systems to transportation which:

- improve the efficiency and effectiveness of Ontario transportation systems;
- support the transportation industry;
- conserve and utilize energy effectively;
- foster economic growth; and
- contribute to the quality of life.

- 2 -

DIRECTOR

DIRECTOR NETWORKING CONTACTS

Office/Company	Name	Title	Phone
EXTERNAL			
CUTA	A. Cormier	Executive Director	365-9800
	Dr. B. Hemily	Research Coordinator	365-9800
CIGGT	G. Wood	Executive Director	(613)545-2810
Teleride-Sage	J. Kates	Chairman	596-1940
	R. Clarke	Sr. Project Manager	596-1940
MCCR	G. Grodecki	Dir., Pressure Vessels Safety Branch	234-6006
	B. Clendining	Dir., Fuels Safety Branch	234-6029
	P. Tanner	Standards Engineer	234-6012
	K. Taylor	Chief Engineer	234-6025
Electric Propulsion Syst.	I. Duncan	Principal	889-9612
M. of the Environment	E. Piché	Dir., Air Resources Branch	965-6343
MENY	P. Shervill	Executive Coordinator	965-3052
	B. Beale	Manager, Energy Efficiency	965-9383
	J. Hutchison	Program Supervisor	965-0755
	B. Yang	Mgr., Policy Dev. Branch	965-0302
	R. Greven	Mgr., Energy Res. & Dev. Sec.	965-8901
TTC	A. Leach	Chief General Manager	393-3890
	D. Morton	Gen. Mgr., Eng. & Const.	393-4128
	G. Break	Gen. Mgr., Operations	393-3919
	J. Pill	Gen. Mgr., Planning	393-3913
	D. Callan	Manager, Engineering	393-3974
	D. Cowan	Manager, Equipment	393-3096
	B. Frost	Manager, CIS Project	393-3600
	L. Hilborn	Dir. of Corporate Liaison	393-3598
GO Transit	T. Smith	Managing Director	665-9211
	R. Johns	Dir. of Equipment	665-9211
	J. Brown	Executive Director	665-9211
	R. Ducharme	Director	665-9211
	A. Robinson	Mgr., Product Dev.	665-9211

DIRECTOR NETWORKING CONTACTS

Office/Company	Name	Title	Phone
EXTERNAL			
Hamilton Street Railway	D. Turvey	Comm. of Trans. (Acting)	(416)528-4200
	R. Duncan	Dir., Engineering	(416)527-4441
MITT	D. Barrows	Dir., Ind. & Trade Pol.	965-0629
	W. Ledingham	Sr. Policy Advisor	963-3721
IRD	A. Bergan	Chairman	(306)934-6777
	T. Bergan	President	(306)934-6777
Transport Canada	B. Mayes	Director General, R&D	(613)993-5981
	W. Johnson	Dir., Res. Plan. & Coord.	(613)993-5981
	S.C. Wilson	Dir. Gen., Road Safety & Motor Veh. Reg.	(613)998-1939
	T. Burtch	Road Safety	(613)995-7923
	R. Myers	Chief, Stds. and Regs.	(613)998-1956
Mississauga Transit	E. Dowling	General Manager	279-5900
	J. Coltson	Manager	279-5900
Metro Toronto Roads and Traffic	D. Floyd	Comm. Roads & Traffic	392-8300
	D. Kaufman		392-8431
	D. Richardson		
	L. Kelman	Asst. Dir., Traffic Br.	392-8500
Superior Propane	G. Olah	Dir., Corporate Affairs	475-9200
OC Transpo	J. Bonsall	General Manager	(613)741-6440
	P. Newgard	Equipment Manager	(613)741-6440
	H. Gault	Dir., System Engineer.	(613)741-6440
	D. McCorquodale	Mgr., Planning & Dev.	(613)741-6440
	A. Wright	Dir., Equip. Tech. Serv.	(613)741-6440
	P. Vander Kloot	Dir., Systems	(613)741-6440
ORTECH	R. Neville	Vice-President	822-4111
	A. Lawson	Mgr., ATF Research	822-4111

DIRECTOR NETWORKING CONTACTS

Office/Company	Name	Title	Phone
EXTERNAL			
OBI	D. Sheardown	President	625-9510
	P. Bigwood	Chief Engineer	625-9510
UTDC	D. Pattenden	President	(613)384-3100
	H. Goldman	V.P. - Marketing	(613)384-3100
	M. Renfrew	Sr. V.P. - Engineering	(613)384-3100
	K. Walker	Manager, Marketing	(613)384-3100
	E. Proctor		(613)384-3100
	D. Braund	Mgr., Domestic Mktg.	(613)384-3100
	J. Johnston	Director, Engineering	(613)384-3100
University of Waterloo	J. Shortreed	Assoc. Director	(519)885-1211 ext. 3377
	B. Hutchinson	Prof. Transport	(519)885-1211
TDC	T. Rudback	Executive Director	(514)283-0000
	L. Suen	Chief, Res. Anal. & Spec.	(514)283-0002
	L. Sabounghi	Sr. Dev. Officer	(514)283-0029
	S. Vespa	Sr. Dev. Eng.	(514)283-0059
External Affairs, Canada	P. Dingledine	Dir., Middle East Trade	(613)993-7030
	J. Brenchley	Middle East Trade Dev.	(613)993-7043
NRC	T. Davies	Div. of Mech. Eng.	(613)993-1272
	J. Woodrooffe	Research Officer	(613)
Cummins Engines	G. Farrell	Mgr. Transp. Mktg.	(812)377-3747
	V. Duggal	Tech. Advisor, ATF	(812)377-7338
EMR	T. Taylor	Director General	(613)995-7300
	B. James	Mgr., ATF	(613)995-9447
CelaneseCanada Inc.	R. Colledge	Mgr., Chem. & Ind. Prod.	622-2032
Detroit Diesel	L. Petersen	Sales Manager	(519)661-0149
Kitchener Transit	W. Beck	Dir., Transit Div.	(519)741-2567

**DIRECTOR
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
EXTERNAL			
Alcatel Canada	K.-U. Dobler	Vice-President	445-8600
Delcan	J. Lam	V.P., Systems Eng.	441-6354
London Regional Transit	D. Bayliss	Director of Planning	01 222 5600
Morrison Hershfield Ltd.	M. Douglas	Vice-President	(514)488-9934
J. Parviainen & Assoc.	J. Parviainen	Principal	844-9945
J.H. Parker & Assoc. Inc.	J. Parker	Consultant	(613)545-3303
M. of Transport, Quebec	P. La Fontaine D. Sicotte	Direction de la Recherche	(418)643-6355 (514)873-4266
IBI Group	S. Stewart	Director	596-1930
New Flyer	B. Bevis	V.P. - Mktg. & Sales	(204)224-1251
TRRL	D. Robertson	Deputy Director	(0344) 773131
	K. Russam	Head of Traffic Group	(0344) 773131
	B. Gillan	Head of Traffic Ops. Div.	(0344) 773131
U.S. DOT - UMTA	S. Barsony	Dir., Office Of Syst. Eng.	(202)366-0090
	V. DiMarco	Dep. Dir., Transit Equip.	(202)366-0224
Arizona DOT	L. Schmitt	Deputy Director	(602)255-7433
U. of California	R. Parsons	Path Director	(415)231-9494
	T. McGean	Transit/Tech. Consult.	(703)280-2899
Smart Transp. Systems	L. Fabian	Technical Director	(617)825-2318
U.S. FHWA	L. Saxton		(703)285-2027

**DIRECTOR
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
EXTERNAL			
Ross Associates Inc.	H. Ross	President	(415)223-8754
U.K. DOT	P. Belcher	London Reg. Office	01 276 6090
SNV Germany	R. Goetz	President	02204/4622
MVV Munich	D. Lippert E. Steinhögl		(089)295552 (089)295552
Alusuisse	I. Reznik	Mgr., Vehicle Tec.	01 497 44 22
Philips Telecommunications	J.W. F. Dollé	Export Sales Mgr.	
Urban Bus Technology	G. Spiece		(204)983-0042
M. of Communications, Saudi Arabia	Ahmad Al-Turki Fahad Al Shareef Abdullah Al-Mogbel,	Deputy Minister Director General of Studies and Design	
Jeddah, Saudi Arabia	Khaled Abdulghani	Mayor	

THE VEHICLE TECHNOLOGY OFFICE

VEHICLE TECHNOLOGY OFFICE

MANDATE

To conduct and promote research, development and application of automotive and energy technologies and systems which:

- improve the efficiency and effectiveness of Ontario transportation systems;
- support the transportation industry, and
- foster economic growth.

OBJECTIVES

Automotive Energy

To assist the Ontario government and transportation industry in the development and demonstration of a range of technologies which efficiently utilize alternative fuels

- by researching the efficiency, safety, and environmental characteristics of alternative fuels;
- by developing and demonstrating the use of alternative fuels in automobiles, trucks and buses;
- by conducting studies which evaluate the use of alternative fuels in the automotive sector and new applications.

Commercial Vehicles

To increase the productivity and safety of the trucking industry

- by researching the factors affecting the stability and handling of truck combinations;
- by providing technical expertise in the development of vehicle regulations to the safety and regulation Program.

Electric Vehicles

To support Ontario's electric van program

- by researching, testing and demonstrating electric vehicles;

To conduct studies which evaluate the various technologies being developed for or related to electric vehicles.

Experimental Testing

To support the testing needs of the ministry and to assist economic growth within the transportation industry

- by providing a Ministry Resource Centre to test and develop instrumentation packages;
- by providing the Ministry with a central laboratory specializing in testing techniques;
- by providing expert advice on data acquisition and measurement methods.

**VEHICLE TECHNOLOGY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ COMMERCIAL VEHICLES			
INTERNAL			
Motor Carrier Policy Office	L. Smith B. Gough	Manager Head, Truck Policy	235-3636 235-3616
Vehicle Standards	R. Covello	Manager	235-3587
Safety Coord. & Dev. Off.	J. Hughes	Manager	235-3595
Operational Policy and Standards	R. Wycliffe	Manager	235-3569
Compliance Branch	E. Merkley	Director	235-4795
Transportation Regulation Dept. Branch	D. Evans	Director	235-3591
R&D Branch	G. Kennepohl B. Bakht A.C. Agarwal	Principal Res. Engineer Principal Res. Engineer	235-4701 235-4674 235-4672
Goods Distribution	B. Raney		235-4062
Carrier Control	B. Stonehouse	Manager	235-4467
Highway Design	T. Klement E. Liepins	Head, Design Development Supervisor Geometrics	235-3495 235-3503
EXTERNAL			
IRD	A. Bergan	Chairman	(306)934-6777
Transport Canada	P. Hallett	Director, Transportation of Disabled Persons	(613)991-6411

**VEHICLE TECHNOLOGY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ COMMERCIAL VEHICLES (cont'd)			
EXTERNAL			
BC Ministry of Solicitor General	S. Lam	Dynamic Engineer	(604)387-4527
CP Forest Products	R. Markham F. Nix	Woodlands Devel. Consultant	(807)475-2366 (519)941-0255
University of Michigan	A. Novak	Professor, Dept. of Civil Engineering	(313)764-9299
Sauer Axles	C. Turner	Vice President	(416)747-6844
FERIC	W. Wallace	Supervisor Transportation	(514)694-1140
	E. Amlin	Supervisor Transportation	(604)732-3411
Fruehauf	D. Eccles G. Duda J. Cook		(416)897-5240 (416)277-9511 (519)758-4222
Ingersoll Machine and Tool	J. Guillemette	Project Manager Axle Division	(519)485-2210
UMTRI	R.D. Ervin C. Winkler	Asst. Head, Eng. Research Division	(313)936-1066 (313)936-1061
OTA	R. Cope B. Sharples	Executive Director	249-7401
NRC	J. Coleman J. Woodrooffe	Research Officer Research Officer	(613)998-9639
U.S. DOT	R.M. Clarke	Head, Heavy Vehicle Research	(202)426-4558

**VEHICLE TECHNOLOGY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ COMMERCIAL VEHICLES (cont'd)			
EXTERNAL			
Concordia University	S. Sankar	Prof., Mech. Eng.	(514)848-3148
Transportation Development Centre	L. Suen	Chief, Res. Anal. & Spec.	(514)283-0002
	T. Smith		(514)283-0022
	R.N. Sabounghi	Sr. Development Off.	(514)283-0029
	S. Vespa	Sr. Development Eng.	(514)283-0059
Carleton University	J.Y. Wong	Prof., Mech. & Aero. Eng.	(613)231-4317
Alberta Trans.	R.O. Houston	Director Transport Eng.	(403)340-4806
U. of Waterloo	R. Green	Professor Civil Eng.	(519)885-1211
	B. Hutchinson	Professor Civil Eng.	
Trans. Agency of Saskatchewan	N. Burns	Director	(306)565-5535
RTAC	J.R. Pearson	Director, Technical Programs	(613)521-4052
	R. Campbell		
Transport Canada	T. Burtch	Road Safety	(613)995-7923
	E.R. Welbourn	Road Safety	(316)992-0077
	D.R.S. Jacques	Road Safety	
Transport Quebec	J. Couture		(418)643-2235
	R. Marier		
	L. Lefebvre		
Molson	H. Weishar	Fleet Manager	(416)361-1407
Ortech International	G. Mutch	Manager CAE	(416)822-4111
Hendrickson Turner	B. Spittal	General Manager	(416)670-3682

**VEHICLE TECHNOLOGY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ COMMERCIAL VEHICLES (cont'd)			
EXTERNAL			
Transportation Research Board	J. Morris T. Chavala	Special Projects	(202)334-3255
Rossy Industries	L. Jaworski	Chief Engineer	(519)452-3661
Stelco	B. Warr	Transportation Mgr.	(416)528-2511
Manac	R. Camball	Vice-President Sales	(416)674-7382
Superior Trailer	H. Poirier	President	(807)623-5107
Private Motor Truck Council	B. McFadden	Vice President	(416)667-1400
American Trucking Association	R. Reith	Director	(202)597-5401
Western Star	P. Fleet	Manager Market Res.	(416)677-9800
2/ AUTOMOTIVE ENERGY			
INTERNAL			
Vehicle Standards	R. Covello	Manager	235-3587
TEPO	V. Soots	Manager	235-5036
Equipment Eng.	K. Forker H. Blaine	Manager New Equip. Mgr.	235-3682 235-3679
Vehicle Purchasing	J. Marshall	Senior Buyer	235-3767
Transit Office	G. McMillan	Manager	235-4011

**VEHICLE TECHNOLOGY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
2/ AUTOMOTIVE ENERGY (cont'd)			
INTERNAL			
Library	N. Searson	Reference	235-4546
Legal Services	T. Graham	Sr. Solicitor	235-4410
EXTERNAL			
O.C. Transpo	J. Bonsall	General Manager	(613)741-6440
	B. Jenkins	Equipment Eng.	(613)741-6440
	P. Newgard	Equipment Mgr.	(613)741-6440
ORTECH	W. Goetz	Mgr., Motive Pow. Tech.	822-4111
	A. Lawson	Manager, ATF Res.	822-4111
Sunoco	R. Routley	Bus. Dev. Mgr.	924-4111
Shell Res. Centre	D.K. Mitchell	Res. Engineer	827-1141
	C. Britton	Mgr., Research	827-1141
Esso (Sarnia)	J.M. Smith	Res. Engineer	(863)339-4723
Celanese	R. Colledge	Mgr., Chem. & Ind. Prod.	622-2032
Trans. Can. Plns	E. Ryan	Mgr., Energy Prod.	869-2324
Alberta Gas	J. Rimmer	Eastern Reg. Mgr.	521-9744
Union Gas	B. Rogers	Mgr., MGv	(519)436-4576
Consumers' Gas	D. Powerie	Project Leader	495-5692
	M. McCall	Mgr., Research and Development	492-5271
	N. Korzack	Mgr., Marketing	495-5342
	M. Grant	Trans. Manager	495-5834

**VEHICLE TECHNOLOGY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
2/ AUTOMOTIVE ENERGY (cont'd)			
EXTERNAL			
CGA	B. Cumming	Director, NGV Dev.	897-1691
EMR	W. Chafe	ATF Sr. Policy Adv.	995-9447
	B. James	Mgr., ATF	995-9447
	R. Sage	Chief, Alt. Fuels	(821)995-9447
	G. Maund		995-9447
	R. Lafluer	Head., Anal. Sect.	(821)996-4570
	S. Stevens	Project. Advisor	966-8485
Transport Canada	V. Battista	Res. Engineer	(821)992-0077
Ministry of Environment	I. Rohac		965-4493
Ministry of Energy	J. Hutchison	Program Supervisor	965-0755
	B. Grevin	Head, Res. Program	965-8901
Ford	R. Bright	Dir., Environment	845-2511
GM Canada	A. Grando	Mgr., Alt. Fuels	644-3474
Manitoba Res.	D. Mathers	Mgr., ATF. Res.	(204)255-9603
Hamilton St. R.W.	R. Duncan	Dir., Engineering	527-4441
Mississauga Trans.	J. Coltson	Manager	279-5900
TTC	D. Cowan	Manager, Equip.	393-3096
	J. Hainsworth		393-3165
	B. Brown	Asst. Mgr., Equip.	393-4000
London Transit	G. Arblaster	Manager	(519)451-1340
Fiba Canning	H. Canning		(519)299-1142
	J. Hutzal	General Manager	(519)299-1142

**VEHICLE TECHNOLOGY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
2/ AUTOMOTIVE ENERGY (cont'd)			
EXTERNAL			
U of Toronto	J.F. Keffer	Professor	978-6728
	Dr. L. Segal	Res. Assoc.	978-3447
	Prof. Wallace	Professor	978-0304
	Dr. D. Mackay	Prof., Chem. Eng.	978-4019
EPA	M. Korth	Manager	(313)668-4200
NRC	M. Friend	Project Manager	(613)993-2095
	Dr. R. White	Director	(613)993-2095
MCCR	A. Gooch	Manager	239-2948
RMC	M. Bardon	Mech. Eng.	(823)545-7376
	S. Barton	Chem. Eng.	(823)545-7457
	D. Quinn	Chem. Eng.	(823)545-7318
OCAPT	M. Melconian	Manager	688-4111
Union Gas	A. Lambert	General Manager	(812)352-3100
Consumers' Gas	S. Legedza	Mgr., Ind. Prog. Technology	495-5270
3/ ELECTRIC VEHICLES			
EXTERNAL			
GO-ALRT	N. Kuster	Mgr. Operating Equip.	630-7990
	A. Robinson	Mgr. ALRT Equip.	630-7990
	K. O'Hehir	P.S.D. Co-ordinator	630-7990
MCL	D. Williamson	V.P. Propulsion	(823)384-3100
	J. Parker	Spec. Assit. to Pres.	(823)384-3100

**VEHICLE TECHNOLOGY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
4/ CONSULTANTS			
IBI	R. McDougal	Director	596-1930
R. Webb Corp.	Dr. R. Webb	President	(613)224-8460
Hatch Associates	C. Twigge-Molecy	Vice-President	(416)962-6350
ORTECH International	R. Neville	Vice-President	(416)822-4111
Fiba Canning	J. Hutzal	General Manager	(519)299-1142
Concord Scientific Corp.	R.B. Caton	Vice-President	(416)630-6331

RAIL AND ADVANCED TRANSPORTATION SYSTEMS OFFICE

RAIL AND ADVANCED TRANSPORTATION SYSTEMS OFFICE

MANDATE

To conduct and promote research, development and demonstrations which advance rail transportation technologies and to conduct transportation system studies in support of the ministry's current and future decisions.

OBJECTIVES

To provide advice to the ministry, on a proactive basis as well as in response to specific problems, in the areas of rail technology and urban transit systems.

To conduct system studies in rail transportation and urban transit to help identify appropriate and economic alternatives for various needs.

To conduct and manage research, development and demonstrations in rail technology to help improve operations, economics, safety or competitiveness of Ontario industry.

To be knowledgeable about the state of the Ontario rail industry and to assist the ministry in improving its vitality.

**RAIL AND ADVANCED TRANSPORTATION SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ RAIL TECHNOLOGY			
INTERNAL			
Municipal Transp. Div.	D. Guscott	Executive Director	235-3985
Transit Office	G. McMillan	Manager	235-4011
	C. Poon	Acting Head, Subsidy Admin.	235-4028
Rail Office	I. Chadwick	Manager	235-4050
EXTERNAL			
UTDC Inc.	D. Pattenden	President	(613)384-3100
	M. Renfrew	Sr. V.P. Engineering	(613)384-3100
	H. Goldman	V.P. Marketing	(613)384-3100
	J. Johnston	Director, Engineering	(613)384-3100
	R. Smith	Director, New Prod.	(613)384-3100
	S. Lamson	Director, Rlwy. Sys.	(613)384-3100
	J. Mister	Proj. Engineer	(613)384-3100
	K. Vollenwyden	Proj. Engineer	(613)384-3100
	S. Skelton		961-9569
	C. Ditchfield		961-9569
	P. Horseman	Mgr., Instrumen. & Test.	(807)475-2935
	D.B. Braund	Mgr., Dom. Mktg.	(613)384-3100
	R.J. Brown	Sys.Design Eng.	(613)384-3100
TTC	A. Leach	Chief General Mgr.	393-3890
	D. Cowan	Manager, Equip.	393-3096
	D. Callan	Manager, Eng.	393-3974
	I. Kingston	Manager, Transp.	393-3392
	B. Longson	Ass. Mgr., Plant	393-4000
	F. Rajtek	Ass. Mgr., Sys. Eng.	393-4000
	W. Brown	Ass. Mgr., Equip	393-3162
	B. Snowdon	Equip. Dept.	393-3169
	S. Tanaka	Equip. Dept.	393-3216

**RAIL AND ADVANCED TRANSPORTATION SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ RAIL TECHNOLOGY (cont'd)			
EXTERNAL			
	R. Dougherty	Equip. Dept.	393-3196
	J. Bringmann	Equip. Dept.	393-3169
	B. Wereszynski	Equip. Dept.	393-3205
	J. Powell	Engineering Dept.	393-4076
	A. Perkins	Plant Dept.	393-4419
	P. Domiano	Equip. Dept.	393-3167
	T.G. Middlebrook	Op. Ass. Subway	393-4817
GO Transit	T. Smith	Managing Director	665-9211
	J. Brown	Executive Director	665-9211
	P.S.K. Luk	Mgr., Rail Equip.	665-9211
	R.W. Mackenzie	Equip. Dev. Support	665-9211
	B. Lawrence	Assist. Equip. Officer	665-9211
	D. Sutherland	Exec. Director	665-9211
	R. Johns	Dir. of Equip.	665-9211
	W. Burns	Dir. of Operations	665-9211
	R. Ducharme	Director	665-9211
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	K. Singh Sandhar	Sup. Test Shop	(416)544-3761
Cancar, Thunder Bay	J. Walker	General Manager	(805)577-8431
	J. Gough	Project Manager	(805)577-8431
TDC, Montreal	T. Rudback	Executive Director	(514)283-0000
	D. Dibble		(514)283-0066
	C.A. Versailles	Sr. Dev. Officer	(514)283-0059
	S. Vespa	Sr. Dev. Eng.	(514)283-0059
NRC, Ottawa	C. Smith	Head, Railway Lab	(613)998-9639
Hawker Siddley	H. Hillel	Sr. Proj. Eng.	677-3250

**RAIL AND ADVANCED TRANSPORTATION SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ RAIL TECHNOLOGY (cont'd)			
EXTERNAL			
ONTC (ONR)	P.A. Dymont	General Manager	(705)472-4500
	G. A. Payne	Chief Engineer	(705)472-4500
	E. Marasco	Senior Planning Off.	(705)472-4500
CUTA	A. Cormier	Exec. Director	365-9800
	Dr. B. Hemily	Research Coord.	365-9800
CN	D. Holfeld	System Eng.	(514)399-7554
	G. Chafe	Proj. Eng.	(514)399-7554
	G. Bailey	Rail Grinding Eng.	(514)399-7554
CP	G. Izbinsky	Super. Research	(514)395-6704
	M. Shaw	Eng. Analyst	(514)395-6704
	S.C. Rawal	Ass. Dir., OR/R&D	(514)395-6632
CIGGT	G. Wood	Executive Director	(613)545-2810
	G. English	Mgr., Syst. Eng.	(613)545-2815
	C. Schwier	Trans. Economics	(613)545-6393
	C. Boon	Mgr., Pass. Syst.	(613)545-2814
AAR	G.R. Cataldi	Assistant Manager Energy Division	(202)639-2261
Lea Associates	P.J. Hyslop	President	(604)685-9381
U.S. DOT	W.T. Hathaway	Trans. Systems	(617)494-2081
TRB	E. King	Rail Trans.	(202)334-3200
Hydro	A. Behar	Safety Serv. - Pickering	683-7516
Carr-Sawyer Inc.	H. Saadatian		741-4733
ORTECH	T.J. Judek	Manager, CAE	822-4111

**RAIL AND ADVANCED TRANSPORTATION SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ RAIL TECHNOLOGY (cont'd)			
EXTERNAL			
Concordia University	Dr. S. Sankar	Professor	(514)848-3148
Carleton University	A.M. Khan	Prof., Civil Eng.	(613)521-3756
Diffracto Ltd.	Dr. W. Pastorius	Director	(519)945-6373
IEC - Holden Inc.	W.M. Zacharkiew	Vice President	(514)735-4371
Morrison Hershfield Ltd.	Dr. M. Magued	Dir., Trans. & Comm.	499-3110
National Steel Car Ltd.	Dr. M. Khattab	Ass. Chief Eng.	(416)544-3311
EPIX Inc.	I. Moore	President	393-7377
Totten Sims Hubicki Assoc.	L. Windover	Director	298-9570
University of Waterloo	Dr. B.G. Hutchinson	Prof., Transport	(519)885-1211
	Dr. H. Shen	Prof., Syst. Design	(519)885-1211
	Dr. A. Wong	Prof., Robotics	(519)885-1211
Mass Rapid Transit Corp. (Singapore)	B. Wildermuth	Mgr., Plan. & Comp. Serv.	
VIRTEK	T. King	President	(519)746-7190
HYMARC Ltd.	R. Hughes	Sales & Mktg. Mgr.	(613)727-1584
Mass Transit Railway Corp (Hong Kong)	P. Gaffrey	Director	(613)751-2111
Hatch Associates	T.M. Noskiewicz	Exec. Vice-President	962-6350
	C. Morris		(514)861-0583

**RAIL AND ADVANCED TRANSPORTATION SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ RAIL TECHNOLOGY (cont'd)			
EXTERNAL			
J.H. Parker & Associates Inc.	J.H. Parker	President	(613)545-3303
OBK Engineering	A. O'Brien	Principal	(416)637-7492
	G. Campbell	Engineer	(416)637-7492
Queen's University	Dr. T.R. Eastham	Director, Res. Serv.	(613)545-2000
	Dr. R.J. Anderson	Hd., Dept. of Mech. Eng.	(613)545-2000
Transport Canada	Wm. F. Johnston	Director, Research	(613)993-5981
University of Western Ontario	Dr. W.H. ElMaraghy	Director	(519)679-3435
2/ COMPUTERS			
Information Systems Branch	A. Urbanowicz	Mgr. Client Supp. Office	235-4381
3/ CONSULTANTS			
Electric Propulsion Systems	I. Duncan	Principal	889-9612
KLD Associates	D. Mahler	Design Engineer	(516)549-9803
	D. Magnus	President	(516)549-9803
	S. Magnus	Design Engineer	(516)549-9803
N.D. Lea Consultants	N.D. Lea	Principal	844-5533
	P. Hislop	President	(604)685-9381

**TRANSPORTATION ENERGY AND
PRODUCTIVITY OFFICE**

TRANSPORTATION ENERGY AND PRODUCTIVITY OFFICE

MANDATE

To promote research, development and application of energy and operational efficiency measures and promote the use of alternative fuels in order to:

- improve the efficiency and productivity of Ontario transportation systems;
- support the transportation industry, and
- foster economic growth.

To be MTO's contact with the Ministry of Energy on all matters relating to transportation energy.

OBJECTIVES

To assist and encourage Ontario government and industry to increase their efficiency and productivity and to lessen their dependence on oil through initiatives that:

- improve the efficiency of transportation technology;
- improve the efficiency of transportation operations;
- increase the use of more efficient modes of transportation;
- increase the use of alternatives to oil;
- reduce travel requirements.

The program to achieve this objective is carried out through five sub-programs with the following objectives:

Municipal Energy and Efficiency

To increase energy and operational efficiency of transportation systems and their operations within municipal jurisdiction:

- the public street, traffic and transit systems
- municipal fleets, their operations and maintenance
- road construction and maintenance
- land use planning

And to increase vehicle occupancy of commuter trips through the establishment of carpool and vanpool activities to save energy and make better use of the existing road network.

DriveSave

To improve the fuel economy achieved by Ontario drivers operating automobiles and light trucks in three target groups:

- Commercial and Institutional Vehicle Fleets
- Beginner Drivers
- General Licensed Drivers

Trucksave

To improve the level of fuel efficiency of truck transportation in Ontario (8200 kg Gross Weight and Over).

- private carriers
- for-hire

Government Programs

To co-ordinate the efforts of, and provide guidance to, government fleets in the area of transportation energy management. This in turn will reduce government costs and set an example to the private sector; and

To co-ordinate the efforts of, and provide guidance to all government ministries in the development and production of operational plans to control and minimize the impact of a shortage of petroleum.

ATF Marketing

To facilitate and promote the use of alternative transportation fuels in Ontario's transportation sector.

**TRANSPORTATION ENERGY AND PRODUCTIVITY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ ENERGY GENERAL			
INTERNAL			
Comm. Services Br.	T. Crowther	Director Head, Br. Admin.	235-3904 235-4863
Municipal Roads Br.	I.M. Nethercot	Director	(705)235-8691
Vehicle Stds. Office	R. Covello	Manager	235-3587
Transit Office	G. McMillan	Manager	235-4011
Municipal Transp. Policy Office	R.N. Girdhar	Manager	235-3976
Goods Distrn. Syst. Off.	G. Gera	Manager	235-4067
Rail Office	I.R. Chadwick	Manager	235-4050
Marine Office		Manager	235-4039
Trans. Demand Res. Off.	M. McLeod	Manager	235-4077
Equip. Engineering Off.	K.G. Forker J.H. Blaine	Manager Head, New Equipment	235-3682 235-3679
Traffic Management and Engineering Office	M.R. Quinton	Manager	235-3785
Ontario Government Fleet Admin. Office	W.H. MacDonald	Manager	235-4896
Materials Research Off.	D.G. Manning	Principal Research Eng.	235-4688
Hwy. Innov. & Strat. Research Office	G. Jones	Prinicpal Research Eng.	235-4679

**TRANSPORTATION ENERGY AND PRODUCTIVITY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ ENERGY GENERAL (cont'd)			
INTERNAL			
Motor Carrier Pol. Off.	L.E. Smith	Manager	235-3636
Carrier Control Office	B. Stonehouse	Manager	235-4467
Op. Policy & Stds. Off.	R. Wycliffe	Manager	235-3538
EXTERNAL			
Ministry of Energy	P.R. Shervill	Executive Co-ord.	965-3052
	B. Beale	Manager, Energy Efficiency	965-9383
	J. Hutchison	Program Supervisor	965-0755
	O. Muller	Energy Contingency Co-ord.	963-2474
	L. Moore	Manager, Energy Mgt.	965-0868
	R. Chute	Policy Advisor	965-4823
Ministry of Cons. and Comm. Relations	R.H. Clendining	Dir., Fuels Safety Branch	234-6029
	E.K. Taylor	Chief Engineer	234-6025
Transport Canada	P. Hallett	Chief, Energy R&D Pro.	(613)593-5982
Energy Mines & Res.	P. Reilly-Roe	Manager, Energy Policy	(613)996-6001
2/ FLEET ADVISORY COMMITTEE INDUSTRY AND ASSOCIATION			
EXTERNAL			
Freightliner of Canada	R. Burley	National Sales Manager	677-4961
Eaton's	D.E. Crowe	Transportation Manager	343-5891
Esso Petroleum Canada	D.R. Flanigan	Accounts Manager	442-5028
School Bus. Op. Assoc of Ontario	J. Goodman	General Secretary	234-1878

**TRANSPORTATION ENERGY AND PRODUCTIVITY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
2/ FLEET ADVISORY COMMITTEE INDUSTRY AND ASSOCIATION (cont'd)			
EXTERNAL			
Kingsway Transport Ltd.	W.H. Gough	Vice-President	743-7030
P.M.T.C.	R. Hardie	Executive Director	620-0164
JASBRO	T. Jasper	Vice-President	677-0504
Ontario Provincial Police	R. Lyon	S/Sgt., Traffic & Marine Sect.	965-5444
H. Ruhl Machinery Co.	H. Ruhl	President	252-5241
Ontario Trucking Assoc.	B. Sharples	Manager, Carrier Operations	249-7401
Work Wear Corp. of Canada	T. Westaway	Fleet Administrator	234-5571
Canadian Tire Corp. Ltd.	V.H. Wintjes	Maintenance Manager	792-2740
Nestle Enterprises	J. Worsley	Fleet Administrator	429-4411
3/ ECONOMY CHALLENGE COMMITTEE			
EXTERNAL			
Canadian Liquid Air	R. Barker	Manager	(1)529-0500
Labatt's Ont. Breweries	S. Bigus	Trans. Superintendent	248-0751
Eastern Rentals	C. Brown	Driver Sup. and Fleet Safety Director	629-2351
Network Group	C. Hoonaard	Safety Supervisor	234-1878
Freightliner of Canada	M. Roy	Sales	677-4961
Coca Cola Beverages	T R. Speed	Engineering Manager	424-6014

**TRANSPORTATION ENERGY AND PRODUCTIVITY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
4/ DRIVESAVE/TRUCKSAVE			
EXTERNAL			
TNT	D. Andrew	V.P. Maintenance	624-2110
Gulf Oil	P. Stafford	Fleet Specialist	494-3396
Caterpillar (Crothers)	J. Keay	Engine Specialist	231-9797
Detroit Diesel Allison	B. Howe	Sales Manager	(813)452-5430
Markel	R. Haystead	Director of Education	(519)763-2383
5/ MUNICIPAL ENERGY PROGRAM			
INTERNAL			
Traffic Mgt. & Eng. Office		Manager	235-3785
Municipal Roads Br.	I.M. Nethercot R. Lefevre	Director Program Officer	(705)235-8691 235-4001
Mun. Trans. Policy Office	R.N. Girdhar	Manager	235-3974
EXTERNAL			
Ministry of Energy	J. Hutchison	Program Supervisor	965-0755
Assoc. of Mun. of Ont.	H. Koecher M. Dunbar	Executive Director	593-1441 593-1441
Ont. Good Roads Assoc.	J. Britnell S. Richardson	Technical Advisor Executive Director	(519)524-7475 890-2248

**TRANSPORTATION ENERGY AND PRODUCTIVITY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
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5/ MUNICIPAL ENERGY PROGRAM (cont'd)

EXTERNAL

Munic. Engineering Assoc.	R.A. Dempsey	Secretary	(519)524-7412
Ont. Urban Transit Assoc.	A. Cormier	General Manager	365-9800
Fed. of Can. Municipalities	R. Coopersmith	Project Leader	(613)237-5221

6/ MUNICIPAL EMPLOYEES AND MTEEAC MEMBERS

EXTERNAL

City of London	A.J. Lake	General Superintendent	(519)661-4584
Region of Peel	D. Thwaites	Dir. of Transport.	791-9400
Niagara Region	M. Holenski	Dir. of Transport.	(416)685-1571
City of Thunder Bay	B. Wright	City Engineer	(807)625-2110
City of Sault Ste. Marie	D. Redmond	City Engineer	(705)759-5384
Ottawa-Carleton	L. Shallal	Dir. Trans. Planning	(613)560-1297
City of Mississauga	K.J. Schipper	Dir. Traffic & Transp.	896-5787
City of Windsor	R. Streicher	Traffic Engineering	(519)255-6418
City of Barrie	N. Fox	Director of Pub. Works	(705)726-4242
TTC	W. Bannister	Super., Energy Cons.	393-4438
City of North York	N. Morris	Fleet Safety Supervisor	661-9201
City of Sudbury	D. Moran	Fleet Supervisor	(705)674-3141

**TRANSPORTATION ENERGY AND PRODUCTIVITY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
7/ MUNICIPAL EMPLOYEES AND OTHER CONTACTS			
EXTERNAL			
Waterloo Region	G. Thompson	Dir., Road & Tra.	(519)885-9401
Durham Region	J. McCorkell	Dir. of Operations	(416)668-7221
Stormont, Dundas, Glengary	D. McDonald	County Engineer	(613)759-5378
Joint Prog. in Transport	R. Soberman	Prof., U of T/York	978-7282

Additional contacts in 50% of all mun. through MTEEAC members or municipal staff.

8/ SHARE-A-RIDE - EMPLOYER OPERATORS

EXTERNAL

Safety Supply	I. Muir	Security & Safety	222-4111
Garrett Manufacturing	L. Kellow	Security & Safety	675-1411
Prudential Life	M. Rea	Manager of Services	296-3247
Westinghouse Canada	Mr. Turner	Personnel	624-2220
Northern Telecom	B. Hill		452-4125
Chrysler Canada	P. Hager	Personnel	(519)973-2061
3M Canada	G. Brooke		451-2500
Ford Canada	D. Bedard		845-2511
Mutual Life	P. Ellert		(519)888-3663

**TRANSPORTATION ENERGY AND PRODUCTIVITY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
9/ SHARE-A -RIDE -- CARPOOL PARKING LOTS			
INTERNAL			
Central Region, MTO	P. Lopes	Planning & Design	235-5579
District18, MTO	J. Kelly		(705)942-8120
Northern Region, MTO	G. Gurney	Planning & Design	472-7900
Southwest Region, MTO	P. Lawrence	Planning & Design	681-1441
Eastern Region, MTO	D. Ritchie	Traffic Office	(613)544-2220

10/ ALTERNATIVE FUELS -- AUTOMOBILE INDUSTRY

EXTERNAL

Ford Motor Company	R. Bright	Dir., Alt. Fuels	845-2511
G.M. of Canada	J. Christie	Mgr., Powertrain Design	644-4171
Chrysler Canada Ltd.	T. Elliot	Mgr., Product Dev.	(519)973-2724

11/ ALTERNATIVE FUELS -- PROPANE INDUSTRY

EXTERNAL

Propane Canada	W.H. Carr	Vice-President	633-2020
Superior Propane	G. Olah	Director, Corporate Affairs	475-9200

**TRANSPORTATION ENERGY AND PRODUCTIVITY OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
12/ ALTERNATIVE FUELS – NATURAL GAS INDUSTRY			
EXTERNAL			
Consumers' Gas	N. Korzack L. Hutzul	Mgr., NGV Mktg. Sales Rep., NGV	495-5795 495-5370
Union Gas	B. Rogers	Mgr., NGV Sales	(519)436-4576
ICG Utilities	B.M. Bailey T. Geddes	Ind. Sales/NGV Supvr.	(705)474-8480 (705)474-8480
Canadian Gas Assoc.	R. Cumming	Dir., NGV Development	447-6465

13/ ALTERNATIVE FUELS – EDUCATION

EXTERNAL

Centennial CAAT	D. Bowman	Continuing Education	752-4444
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**TRANSPORTATION CONTROL TECHNOLOGY AND
SYSTEMS OFFICE**

TRANSPORTATION CONTROL TECHNOLOGY AND SYSTEMS OFFICE

MANDATE

To conduct and promote research, development and application of transportation system control technologies and communications which:

- improve the efficiency and effectiveness of Ontario's transportation systems;
- support the transit industry; and
- foster economic growth.

OBJECTIVES

To assist the Ministry's policy and subsidy processes by providing up-to-date and relevant input in the following areas:

- transit and other transportation system control technology;
- transportation system communications; and
- other transportation-related technical areas.

To ensure excellence for all ministry projects concerned with transportation systems technology by providing technical consultation and support as well as technical management.

To increase productivity by demonstrating appropriate and effective technologies to transit operators and the transportation industry by modification and adaptation of existing technologies.

To encourage and facilitate possible commercial opportunities for Ontario-based industries through the incremental advancement of specific technologies and the provision of product-opportunity matrices in the transit area.

To strengthen and support the working relationships and ties between TCTSO, the private sector, transit operators, the municipalities, the government, and academia.

To develop amongst technical staff in TCTSO, a broad understanding of MTO management issues and expectations, and promote their application within a specialist operating environment.

**TRANSPORTATION CONTROL TECHNOLOGY & SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ ROBOTICS			
EXTERNAL			
SPAR Aerospace	P. Stefow	Mgr., Robotic Tech.	745-9680
U. of Toronto	A. Goldenberg	Professor	978-3049
U. of Waterloo	A. Wong	Professor	(519)885-1211
	W. Wilson	Professor	(519)885-1211
TTC	G. Webster	Superintendent	393-4000
	D. Callan	Manager Engineering	393-3973
	D. Cowan	Manager Equipment	393-3096
Long Island Railroad	D. Ruppert		(718)990-8123
ESI	R. Price	Systems Engineer	(518)456-0067
Vadeko International	G. Whitehead	President	(416)821-3222
Transvision Consultants Ltd.	T. Gehan	President	(604)980-3881
2/ AUTOMATIC VEHICLE LOCATION & CONTROL			
INTERNAL			
Transit Office	D. Davis	Mgr., Demo. Section	235-4013
	C. Poon	Acting Head, Subsidy Admin.	235-4028
EXTERNAL			
RMS Industrial Controls	H. Stevens	Sales Executive	673-5015
SEL Canada	A. Kanner	Manager, Systems	445-8600
General Electric	F. Kelly	Sales Manager	746-7320

**TRANSPORTATION CONTROL TECHNOLOGY & SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
2/ AUTOMATIC VEHICLE LOCATION & CONTROL (cont'd)			
EXTERNAL			
Teleride Corp.	G. Collier	Manager, Engineering	596-1940
Niacad Ltd.	D. Cain	President	(613)726-0367
Electrocomm Ltd.	L. Popielyak	President	491-4450
TTC	M. Pristupa	Superintendent, CIS	393-4000
OC Transpo	P. Vander Kloot	Director, Systems	(613)741-6440
Hamilton Street R.W.	G. Heidmann	Analyst	527-4441
Mississauga Transit	A. Snow	Analyst	279-5900
Alcatel Canada	Dr. K.-U. Dobler	Vice-President	445-8600
Teleride Sage	Mr. J. Kates	Chairman	596-1940
Metro Toronto	L. Kelman	Assist. Dir., Traffic	392-8500
3/ WAVM SYSTEM			
INTERNAL			
Goods Distribution	G. Gera	Manager	235-4067
Motor Carrier Policy	B. Gough	Head, Truck Policy	235-3616
	F. D'Onofrio	Head, Bus Policy	235-3602
EXTERNAL			
Premier's Council Technology Fund	W.A. Ledingham	Senior Policy Advisor	963-3721
DOC/Federal	H. Reekie Info. Service	Manager, MSAT	(821)990-4099
		(MSAT)	(821)995-8185

**TRANSPORTATION CONTROL TECHNOLOGY & SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
3/ WAVM SYSTEM (cont'd)			
EXTERNAL			
Telesat Mobile Inc.	D.J. Sward	(MDS) Gen. Manager	(613)746-5601
Bell Cellular	R. Rowland	President	674-2220
Canadian Marconi	P. Hui	P. Eng.	(821)592-6500
Canadian Astronautics	D. Bells	Manager	(821)820-8280
Magnovox	T.A. Stansell, Sr.	Vice-President	(213)618-1200
TRW	J. Ziomek	Director	(313)478-7210
Mobile Satellite	R. Anderson	Vice-President	(215)265-8118
Skylink	T. Quillian	Manager	(303)442-8866
Chrysler Class	G.J. Dellas	Head	(205)895-1450
GM Technical Centre	R.A. Dork	Head	(313)492-0772
Ford/Satellite Navigation	J. Mosier	Head	(313)594-3696
Rockwell International	G.F. Rylin	Manager	(319)395-3234
Burlington Northern	S. Ditmeyer	Director	(612)298-7778
Private Motor Truck Council of Canada	R. Neal	President	(821)592-4103
Ontario Motor Coach Association	B. Crone	President	488-8855
Ontario Trucking Association	A. Jones		249-7401
Truckers	(refer to listing in "Ship by Truck")		

**TRANSPORTATION CONTROL TECHNOLOGY & SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
3/ WAVM SYSTEM (cont'd)			
EXTERNAL			
Frederick Transport Ltd.	B. Ranger	Vice-President	(416)628-4000
Canadian Trucking Association	L.P. Tardif	Executive Director	(613)236-9426
Kingsway Transport Ltd.	W.H. Gough	Vice-President	743-7030
Telesat Canada	M. Lok	Supervisor	(613)746-5921
Thompson Transport Ltd.	G. Thompson	President	(519)652-6970
Toronto Transportation Association	D. Fryzuk	Executive Director	
4/ EXPERT SYSTEMS			
EXTERNAL			
DOC/Federal	D. Wong	Manager	(821)990-4920
MOT/Federal	M. Walker	Advisor	(821)995-0141
Can. AI Product Corp.	P.K. MacKinnon	President	(821)727-0070
Cognicom	J. Ruby	Manager	366-4857
Institute of Comp. Res., U. of Waterloo	A. Wong	Professor	(815)885-1211
Stanford University	B.G. Buchanan	President	(415)497-0935

**TRANSPORTATION CONTROL TECHNOLOGY & SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
4/ EXPERT SYSTEMS (cont'd)			
EXTERNAL			
Carnegie Group Inc.	L.K. Geisel	President	
TeKnowledge Inc.	E.A. Feigenbaum	President	
Symbolic Inc.	R. Nofsker	President	
Lisp Machine Inc.	F. Spitznogle	President	
Inst. for Transport Studies, U. of Leeds	H.R. Kirby	Researcher	
Texas Instruments	E.L. Jones	Manager	
CompEngServ Ltd.	Dr. B.A. Bowen	President	(613)563-1920
5/ VISION SYSTEM			
INTERNAL			
R&D Branch	G. Kennepohl	Principal Res. Scientist	235-4701
EXTERNAL			
MPB Technology	B.V. Ghosh	Director	(856)683-1490
Can. AI Prod. Corp.	P.K. MacKinnon	President	(821)727-0070
Ont. Robotic Centre	R.P. Picard	Engineer	(893)876-1611
Diffractor	W.P.T. North	Director	(814)945-6373
Datacube	System		(617)535-6644

**TRANSPORTATION CONTROL TECHNOLOGY & SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
5/ VISION SYSTEM (cont'd)			
EXTERNAL			
Forsight Inc.	D.E. Hurse	President	(617)246-5333
Intec	C. Moore	Manager	(714)859-3800
6/ LIAISON WITH PROPERTIES & MUNICIPALITIES			
INTERNAL			
SPS	J. Menary	Director	235-4437
Internal Audit	D.A. Anderson	Director	235-4316
Equipment Eng.	K.G. Forker	Manager	235-3682
Transport Capital Branch	R.S. Pillar	Director	235-41521
Information Systems Br. Planning & Technical Support	D.W. Dunlop C.W. Nabert	Manager Systems Planner	235-4400 235-4394
Mun. Trans. Div.		Exec. Director	235-3985
Municipal Transp. Policy/Planning Br.	K. Pask	Director	235-3972
Transit Office	G. McMillan D. Davis	Manager Head, Demo. Projects	235-4011 235-4013
EXTERNAL			
MITT	D. Redgrave P. Tanaka R.L. Benton	ADM Mgr., Mkt. Dev. Comm. Representative	963-1563 965-7119 (312)782-8688

**TRANSPORTATION CONTROL TECHNOLOGY & SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
6/ LIAISON WITH PROPERTIES & MUNICIPALITIES (cont'd)			
EXTERNAL			
TTC	A. Leach	Chief General Manager	393-3890
	F.J. Ahlin	Senior Analyst	393-4000
	G. Webster	Superintendent	393-4000
	D. Cowan	Manager	393-3096
	L. Berney	General Manager	393-4000
	R.I. Kingston	Manager Operations	393-3392
GO Transit	T. Smith	Managing Director	665-9211
	P. Johannsson	Co-ordinator	665-9211
	J. Bateman	Manager, Rail Op.	665-9211
TDC	M. Audette	Acting Chief	(514)238-0004
CGS	R. Reid	Secretary-Gen.	674-0366
IBI Group	R. McDougall	Director	596-1930
City of Sudbury	R.J. Boucher	Director	(705)674-3141
Sudbury Transit	P. Taschereau	Superintendent	(705)560-1111
NIACAD Ltd.	D.A. Cain	Consultant	(613)726-0367
CUTA	A. Cormier	Executive Director	365-9800
	B. Hemily	Research Co-ordinator	365-9800
SEL	K.-U. Dobler	General Manager	445-8600
EMS	D. Henderson	Manager	673-1319

**TRANSPORTATION CONTROL TECHNOLOGY & SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
6/ LIAISON WITH PROPERTIES & MUNICIPALITIES (cont'd)			
EXTERNAL			
CN Rail	N.A.R. Hanks	Asst. Chief	(514)877-8962
APC Systems	H. Holm	President	(519)681-2960
Transyt Canada Inc.	L. Richardson	President	442-2036
London Mat	A. Porvin	President	(519)681-2980
OUTA	D.E. Roberts	Manager	365-9800
CIGGT	R.M. Renfrew	Exec. Director	(613)547-5856
SRI International	P.L. Tuan	Director	(910)373-2046
City of Sault Ste. Marie	D.C. Redmond	Chairman	(705)759-5438
Can. Institute of Traffic and Trans.	V.S. Deyglio	Executive Vice-Pres.	363-5956
City of Mississauga	K.J. Schipper	Dir. of Traffic & Trans.	279-5900
Mississauga Transit	E. Dowling	General Manager	279-5900
Ontario Northland Trans. Commission	P.A. Dymment	General Manager	(705)472-4500
Kitchener Transit	W. Beck	Director, Transit Div.	(519)741-2567
The Hamilton St. Railway Co. Ltd.	D. Turvey	Acting Comm. of Trans.	528-4200
Regional Mun. of Ottawa-Carleton	Dr. L. Shallal	Dir., Transp. Planning	(613)741-6440

**TRANSPORTATION CONTROL TECHNOLOGY & SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
6/ LIAISON WITH PROPERTIES & MUNICIPALITIES (cont'd)			
EXTERNAL			
The Municipality of Metropolitan Toronto	C. Barnes	Senior Budget and Operations Analyst	
Ottawa-Carleton Regional Transit Comm.	J. Bonsall	General Manager	(613)741-6440
Transport Canada	R. Mayes	Director General	(613)993-5981
Transportation Development Corp.	T. Rudback	Executive Director	(514)283-0000
U. of Waterloo	J. Shortreed	Associate Director	(519)885-1211 Ext. 3377
Belleville Transit Comm.	R. Ladoucier	Manager	(613)962-1925
Brampton Transit	G. Marshall	Director of Transit	(416)453-1741
City of Burlington	R. Young	Assistant Dir. of Pub. Works-Transit	335-7797
Town of Elliot Lake	M. Perkins	Transit Co-ordinator	(705)848-2287
City of Brockville	E. Allan	Transit Co-ordinator	(613)342-8772
City of Cornwall	S. Goodwin	Transit Manager	(613)932-6252
Town of Haileybury	A. Herbert	Transit Co-ordinator	
Town of Markham	D. Gordon	Transit Co-ordinator	(416)475-4710
City of North Bay	T. Brent	Transit Manager	(705)474-0400
Guelph Trans. Comm.	J. Quarrie	General Manager	(519)822-1811

**TRANSPORTATION CONTROL TECHNOLOGY & SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
6/ LIAISON WITH PROPERTIES & MUNICIPALITIES (cont'd)			
EXTERNAL			
Town of Kenora	E. Martin	Transit Manager	(807)468-8906
London Transit Comm.	G. Arblaster	General Manager	(519)451-1340
Niagara Transit	A.J. Casey	General Manager	(416)356-1179
Town of Oakville	T. Beatson	Dir. of Transit Services	844-0881
Orillia Transit	M. Cox	Transit Manager	(705)325-1311
Town of Pickering	G. Papik	Director of Transportation	683-1179
City of Sudbury	D. Ridley	Director of Trans.	(705)674-3141
City of Timmins	J. Craig	Transit Manager	(705)264-1331
Oshawa P.U.C.	L. Algar	General Manager	(416)723-4623
City of Pembroke	B. Church	Transit Co-ordinator	(613)735-3675
Sarnia Transit	L. Oliver	Transit Manager	(519)336-3271
City of Owen Sound	J. Coburn	Transit Co-ordinator	(519)376-1440
City of Peterborough	R. MacKay	Transportation Manager	(705)748-8895
Sault Ste. Marie Transit	L. Jago	Transit Manager	(705)759-5438
Thunder Bay Transit	A. Grant	Manager	(807)625-2188
City of Welland	C. Stolte	Transit Co-ordinator	(416)732-6844
Transit Windsor	R. Coghill	General Manager	(519)944-4111

**TRANSPORTATION CONTROL TECHNOLOGY & SYSTEMS OFFICE
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
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6/ LIAISON WITH PROPERTIES & MUNICIPALITIES (cont'd)

EXTERNAL

U.S. Dept. of Trans.	L. Saxton	Moderator	
U of Michigan	K. Chen	Director	(313)764-4332
U of Toronto	R. Venter	Chairman, Dept. Mech. Eng.	978-7198
Que.Ministère des Trans.	P.La Fontaine	Dir. de la Recherche	(418)643-6355

ADMINISTRATION AND TECHNICAL PUBLISHING SECTION

ADMINISTRATION AND TECHNICAL PUBLISHING SECTION

MANDATE

To assist and support the branch in its administrative and publishing efforts to promote research, development and application of transportation and energy technologies and systems which:

- improve the efficiency and effectiveness of Ontario transportation systems;
- support the transportation industry;
- conserve and utilize energy effectively;
- foster economic growth, and
- contribute to the quality of life.

OBJECTIVES

Administration

To ensure the effective management control of the branch budget and expenditures by managing and maintaining a comprehensive financial resource allocation system.

To provide effective and efficient administrative support to the Director, managers and staff of the branch.

To ensure efficiency in personnel matters by co-ordinating and managing all activities related to staffing, classification, human resource planning and staff relations.

Technical Publishing

To provide the necessary capabilities for the editing, publication and distribution of the branch's technical reports and marketing material.

To transfer concise and effectively presented research and marketing information from the branch to the transportation industry.

ADMINISTRATION AND TECHNICAL PUBLISHING

**ADMINISTRATION
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
1/ PERSONNEL			
INTERNAL			
Human Resources Branch	A. Roze	Human Res. Advisor	235-3869
	J. Sinclair	Human Res. Advisor	235-3867
	M. Sprayson	Human Res. Rep.	235-3870
	L. Varey	Coord. Special Emp.	235-3882
	P. Bolton	Mgr., Benefits & Admin.	235-3854
2/ ADMINISTRATION			
INTERNAL			
Communication Services Branch	T. Crowther	Head, Graphic Design & Branch Admin.	235-4868
Supply & Services Branch	B. Gaunt	Head, Office Services	235-4812
	R. Hoover		235-4918
	C. Faludi	Accom. Officer	235-5238
	D. Johnson	Accom. Officer	235-4824
	M. Prestaya		235-4344
	P. Churchill	Head, General Purchasing	235-3763
	C. Labelle	Senior Buyer	235-3761
	J. Ryan	Purchasing Officer	235-3749
	M. Russo	Traffic Control Officer	235-4827
	T. Parr	Coord, Telecomm. Services	235-4816
	G. Meyers	Telecom. Analyst	235-4822

**ADMINISTRATION AND TECHNICAL PUBLISHING SECTION
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
3/ COMPUTERS			
INTERNAL			
Information Systems Branch	W. Slater	Branch Office Supv.	235-3934
4/ FINANCIAL			
INTERNAL			
Financial Planning and Administration Branch	J. Newlands J. Loftus R. Fearon	Liaison Accountant Head, Budget Control & Analysis Section	235-4168 235-4169 235-4206
5/ WATERLOO STUDENTS			
EXTERNAL			
University of Waterloo	T. Lebold	Employ. Contract Admin.	(519)885-1211

TECHNICAL PUBLISHING

NETWORKING CONTACTS

Office/Company	Name	Title	Phone
1/ PRINTING			
INTERNAL			
Reprographic Centre	Karen	Xerox Inquiries	235-4367
	P. Cook	Production Planner	235-4357
	T. Bentley	Production Planner	235-4356
Offset Services	F. Rowe	Coordinator	235-4366
EXTERNAL			
MGS, Printing Services	V. Marchese	Procurement Officer	965-2056
	P. Zapp	Procurement Officer	965-2056
Esstee Graphics	S. Trivedi	Account Manager	297-5771
Flash Reproductions	M. Anyou	Manager	742-1244
MacQuick Printing	J. Amaral	President	638-7755
2/ GRAPHICS/AUDIO VISUALS			
INTERNAL			
Reprographic Centre	H. Sabel	Supv., Graphics Planning	235-4355
	D. Miller	Photo Supv., B&W	235-4365
	C. Troupe	Photo Supv., B&W	235-4365
	T. Bentley	Production Planner	235-4356
	P. Cook	Production Planner	235-4357
Audio Visual Section	R. Radell	Co-ordinator	235-3925
	J. Dyer	Staff Photographer	235-3925
	G. Fraser	AV Producer	235-4369
	G. Cooke	AV Producer	235-3925
	J. Reynolds	AV Librarian	235-3902

**TECHNICAL PUBLISHING
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
INTERNAL (cont'd)			
Art Section	G. Csihas	Co-ord., Art & Display	235-4369
	B. Shaw	Graphic Artist	235-4369
Cartography Section	T. Wood	Head	235-4265
	J. Fernandes	Cart. Supv.	235-4261
Records and Forms Admin. Unit	J. Cerenzia	Co-ordinator	235-4347
EXTERNAL			
Nugraph Visuals Inc.	E. Montgomery		977-7477
3/ WORD PROCESSING - COMPUTERS			
INTERNAL			
Office Services Section	B. Gillis	Office Technology Specialist	235-4338
4/ CREATIVE SERVICES			
EXTERNAL			
Buckley Creative Inc.	C. de Sa Buckley	Manager	470-6336
Design Media Ltd.	M. Leung	Freelance Artist	537-1170
Forster Graphic Design	C. Forster	Consultant	438-3877
Angry Cow Graphics	D. Hobbs	Freelance Artist	925-1888

TECHNICAL PUBLISHING

NETWORKING CONTACTS

Office/Company	Name	Title	Phone
EXTERNAL (cont'd)			
Graphcomm Group	P. Mossman	Freelance Artist	656-4297
Low-Case Associates	P. Beare	Freelance Artist	481-4281

TRANSPORTATION INDUSTRY SUPPORT

TRANSPORTATION INDUSTRY SUPPORT

OBJECTIVES

Transportation Industry Support (TIS) was established to work with industry to help Ontario grow.

Its basic function is to assist Ontario firms in product development and in the pursuit of export projects in the transportation field. In undertaking this function, three specific objectives were identified.

- 1/ Promote the development of business opportunities identified through MTO's wide-ranging transportation-related activities.
- 2/ Provide a point of contact with and for industry, facilitating access to advice, expertise, information, and staff resources.
- 3/ Participate with business and other government agencies in marketing Ontario's transportation products, services, and expertise in North America and the international market place.

**TRANSPORTATION INDUSTRY SUPPORT
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
INTERNAL			
Hwy. Operations and Maintenance Division	I. Oliver	Executive Director	235-3811
Traffic Management and Engineering Office		Manager	235-3785
Freeway Traffic Mgm't.	P. Korpai	Head	235-3535
Hwy. Engineering Div.	E.J. McCabe	Executive Director	235-4402
Surveys & Plans Office	R. Oddson	Manager	235-4259
Design Evaluation and Pavement Section	A. Prakash	Pavement Mgmt. Eng.	235-3518
Provincial/Municipal Transportation	G.H. Johnston	Ass't Deputy Minister	235-4455
Provincial Transportation	N. Mealing	Executive Director	235-4036
Municipal Transportation	D. Guscott	Executive Director	235-3985
Municipal Transportation Policy/Planning Branch	K. Pask	Director	235-3972
Transit Office	G. McMillan	Manager	235-4011
Municipal Transportation Policy Office	R. Girdhar	Manager	235-3976
Assistant Deputy Minister Office, Safety & Reg.	M. Weir	Admin. Assistant	235-4465
Operational Policy and Standards Office	R. Wycliffe	Manager	235-3569
Northwestern Region, Drivers and Vehicles	P. Hyde	Regional Manager	(807)473-2039
Compliance Branch	E. Merkley	Director	235-4795

**TRANSPORTATION INDUSTRY SUPPORT
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
INTERNAL (cont'd)			
Engineering and Construction	A. Kelly	Ass't Deputy Minister	235-4453
Transp. Capital Branch	R.S. Pillar	Director	235-4152
Engineering and Right of Way	R. Hanton	Manager	235-5488
Structural Office	R. Dorton	Manager	235-5627
Strategic Policy Secretariat	J. Menary	Director	235-4437
External Relations Strategic Pol. Sec.	D. Walker	Coordinator	235-4461
GO Transit	T. Smith	Managing Director	665-9211
GO Transit Information Services	T. Henry	Manager	665-9111
EXTERNAL			
Ministry of Industry, Trade & Technology	L.F. Pitura	Deputy Minister	965-7807
Ministry of Industry, Trade & Technology	H. Duerr	Director	965-5834
Ministry of Industry, Trade & Technology	B. Villeneuve	Intn'l. Mk't. Con., U.S.A.	965-2649
Ministry of Industry, Trade & Technology	S. Singh	Sr. Consultant, S. Asia	965-2301
Ministry of Industry, Trade & Technology	V. Fountain	Sr. Consultant, Pacific Rim	965-2617

**TRANSPORTATION INDUSTRY SUPPORT
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
EXTERNAL (cont'd)			
Ministry of Industry Trade & Technology	B. Rathbun	Vice President, OIC	965-3013
Ministry of Industry Trade & Technology	C. MacFarlane		965-3013
Ministry of Inter- governmental Affairs	K. Flyn	Policy Advisor	965-0141
Ministry of Inter- governmental Affairs	H. Intscher	Assistant Deputy Minister	965-3359
R.V. Anderson Assoc. Ltd	K.A. Hyde	President	497-8600
Peter Barnard Associates	P. Barnard		865-1477
Canadian Export Assoc.	F.R. Petrie	President	(613)238-8888
CIDA	L.D. Nielsen	Director General	(819)997-5456
Canadian Patents & Dev.	E. Rymek	Chief, Bus. Dev.	(613)990-6100
Mond Industries Ltd.	J. Hart	General Manager	259-8405
Northern Telecom Canada Ltd.	G.R. Chenier		232-2000
Canadian Urban Transit Association	A. Cormier	Executive Vice-President	365-9800
Canrede Limited	P.C. Eberlee	Principal	497-8636
Cansult Group Limited	H. Eimers D. Field	Vice President, Marketing Vice President	470-2010 470-2010
Consulting Engineers of Ontario	W. Weinstein	Executive Director	425-8027

TRANSPORTATION INDUSTRY SUPPORT NETWORKING CONTACTS

Office/Company	Name	Title	Phone
EXTERNAL (cont'd)			
Canada Wire & Cable Ltd.	D.C. Mitchell	V. P., Strat. Planning	424-5000
National Research Council of Canada	J. Chander	Senior Project Manager	(613)993-9101
Salim's Refrigeration Canada Ltd.	S. G. Kara	President	745-9007
MacDonald Conversion Industries Inc.	L.S. MacDonald		(416)372-3302
DelCan Intn'l Corp.	D. Duggin	President	441-6354
	J.M. Main	President	441-6354
De Havilland Aircraft of Canada Ltd.	R.A. Bird	Reg. Sales Manager	633-7310
Dynalelectron Systems Inc.	J. Wright	Dir. Marketing Sales	
Deloitte Haskins & Sells	G. Mitchell	Manager	863-0177
Econolite Canada Inc.	D. Grills	General Manager	752-4252
Fenco Engineers Inc.	B. Ring		756-1333
Fortress Scientific Ltd.	W. Chan	Exec. Vice President	636-8000
Ferranti Packard Electronics Limited	D. Schneider	Marketing Specialist	624-3020
	G. Jones	Co-ordinator	624-3020
Highway Products International Inc.	D. Kobi	President	(519)442-2261
Foundation Instruments	A.N. Siimes	Project Co-ordinator	(613)226-4000
Geocon Inc.	M.A.J. Matich	Director	756-3288
A. Girardin Inc.	J.M. Girardin		(519)622-0666
Hamilton Digital Design	J.B. Mitchell	President	(416)634-4812

TRANSPORTATION INDUSTRY SUPPORT NETWORKING CONTACTS

Office/Company	Name	Title	Phone
EXTERNAL (cont'd)			
IBI Group	S.E. Stewart	Director	596-1930
Ministry of Intergovernmental Affairs	E.M.B. Feu	Intn'l Relations Branch	965-0141
Johnson Re-Cycling Int.	H.G. Johnson	President	488-6149
N.D. Lea & Associates	N.D. Lea	Senior Principal	844-5533
Morrison Hershfield Ltd.	M.H. Magued	Director, Trans. & Comm.	499-3110
Ontario Bus Industries	P. Bigwood	Chief Engineer	625-9510
C.C. Parker Con. Ltd.	J.S.R. Beck	President	(416)385-3234
University of Waterloo	R. Haas	Pavement Mgt. Sys.	(519)885-1211 ext. 2176
The Proctor & Redfern Group	K.G.C. Smith		445-3600
RMS Industrial Controls	H. Stevens	Account Executive	677-5533
MacLaren Engineer	J. Rasberry	Vice President	756-4919
D&C Roussy Ind. Ltd.	D. Roussy		(519)452-3661
SEL Canada	K.U. Dobler	General Manager	445-8600
Stacey Electric Co. Ltd.	F. Hudson		752-6380
Tacel Ltd.	R. Chaikoff	General Manager	750-4646
R.F. Webb Corp. Ltd.	R.F. Webb	President	(613)224-8460
Advanced Technologies Fund	I. Solomon		868-0443
Hugh Walter Barclay Orthotics Inc.	H.W. Barclay		(613)541-0716

TRANSPORTATION INDUSTRY SUPPORT NETWORKING CONTACTS

Office/Company	Name	Title	Phone
EXTERNAL (cont'd)			
Transport Canada	P. Hallett	Chief of R&D Pro. Mgt.	(613)991-6411
Clifton & Associates	T. Clifton	Manager	494-0181
Elpeco Fabricators Ltd.	B. Lobo	Manager	438-6261
John Emery Geotechnical Engineers Ltd.	J. Emery	President	630-1060
Indescor Hydrodynamics	R. Faithful	Marketing Manager	(416)669-5150
Mond Industries Ltd.	J.S. Hart	General Manager	259-8405
Marathon Equipment Ltd.	D.E. Rowan	President	745-4111
Acres International Ltd.	D.B. Simpson	Vice president	595-2000
Cole Sherman Inc.	D.E.C. Wicks	Vice President	491-4053
	A.E. Metcalf	Exec. Vice President	491-4503
M.M. Dillon Ltd.	M.M. Williams	Principal	229-4646
Giffels Associates Ltd.	J.M. Walker	President	675-5950
Hatch Associates Ltd.	G.G. Hatch	President	962-6350
W.E. Kelly & Assoc. Ltd	W.E. Kelly	President	(519)579-3360
Marshall Macklin Monaghan Ltd.	P.A. Monaghan	President	449-2500
McCormick Rankin & Associates Ltd.	R.D. Nairn	President	274-3477
Stanley Associates	F. Grigel	Vice President	(519)622-3060
Trow Inc.	P.D. Anderson	Manager	793-9800
Champion Road Machinery Sales Ltd.	M.A. Sully	President	791-3131
Frink Canada	J.P. Johnson	General Sales Manager	(519)653-6234

**TRANSPORTATION INDUSTRY SUPPORT
NETWORKING CONTACTS**

Office/Company	Name	Title	Phone
EXTERNAL (cont'd)			
Reid & Associates Ltd.	H. Borgdorff	President	(705)728-0141
Mcasphalt Industries Ltd.	J.J. Carrick	Project Manager	284-0241
Giffels Associates Limited	B. Hitchcock	Senior Vice President	675-5950
Ker-train Systems Ltd.	J.H. Kerr	President	
Trow Inc.	C.D. Thompson	General Manager	793-9800
Canadian Portland Cement Association	P. Waisanen	Transportation Engineer	920-4566
Pavement Management Systems Ltd.	M.A. Karan	President	(519)622-3005
W. Strok and Assoc. Ltd.	W. Strok	President	278-3944
Wardrop Engineering Inc.		President	673-3788
Teleride/Sage	J. Kates	President	596-1940
International Road Dynamics	T. Bergan	President	(306)934-6777
Talfourd-Jones Inc.	L. Talfourd-Jones	Vice President	(416)856-0808